

**STINGER™**  
JUST CAP IT.

**NN**  
**national nail corp.**  
*more than just nails*

# CN100 CAP NAILER OWNER'S MANUAL



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• Operation • Maintenance • Safety • Warranty



**PLEASE READ!**

This manual contains important information about product safety.



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# IMPORTANT INFORMATION

Please take the time to read and understand the information contained in the Owner's Manual included with this product before operating or maintaining the **STINGER™ CN100** Cap Nailer.

Improper use of this tool could result in serious injury or even death. Most accidents occur because of the failure to observe basic safety rules and precautions. Basic safety precautions are outlined in the "Warnings" section of this manual.

This product is intended for securing synthetic underlayments, roofing felt and housewraps.

# WARNINGS



## PERSONAL SAFETY ITEMS

- Reading the Owner's Manual prior to using the tool.
- Always wear eye protection that conforms to ANSI requirements (Z87.1) and provides protection against flying particles both from the front and side. Eye protection should be worn by the operator and by others in the work area to protect against flying fasteners and debris that could possibly cause severe eye injury.
- The employer is responsible for enforcing the use of eye protection equipment by the tool operator and all other personnel in the work area.
- To prevent accidental injuries:
  - Handle the tool with care
  - Always assume that the tool contains fasteners
  - Always disconnect the air hose from the **STINGER™ CN100** when:
    - loading nails and/or caps
    - performing inspection, maintenance or repair
    - clearing a nail or collated cap jam
    - the tool is not in use
    - leaving the work area
    - moving the **STINGER CN100** to another work location
    - handing the **STINGER CN100** to another person
    - storing the tool
  - Never point the tool toward yourself or anyone else
  - Never engage in horseplay when handling the tool
  - Never hold or carry the tool with a finger on the trigger
  - Never place a hand or any other part of the body in the fastener discharge area of the tool while the air supply is connected



# WARNINGS

## AIR SUPPLY AND CONNECTIONS

- Use only clean, regulated compressed air as a power source for this tool. Do not use bottle gases, combustible gases or oxygen as a power source for the tool as the tool may explode.
- Do not use air supply pressures that exceed 105 PSI.
- Do not exceed the recommended maximum operating air pressure as tool wear will be greatly increased. The air supply must be capable of maintaining the operating air pressure of the tool. Pressure drops in the air supply can reduce the tool's driving power.
- Use a pressure regulator and gauge to allow visual inspection of the air pressure being delivered to the tool.
- Use air hoses that have rated pressures of up to 150% of the maximum pressure that can be generated by the power source. The supply hose should contain 1/4" fittings that will provide quick disconnecting from the male plug on the tool.
- Use quick connect fittings that allow the tool to be unhooked from the air supply quickly and easily.
- Do not use fittings that will not allow the tool to exhaust when the air supply is disconnected.

# WARNINGS

## OPERATION OF THE TOOL

- Never inspect, maintain, repair, adjust, clear a jam or store the tool with the air connected.
- Never use the tool in proximity of flammable gases or liquids, as some tools will create sparks that can be an ignition source for a fire or explosion.
- Always inspect the safety device for damage and proper operation, prior to operation.
- Never assume the tool is empty of fasteners.
- Never point the tool toward yourself or any other persons.
- Never cycle the tool unless it is in contact with the work-piece.
- Never use the tool as a hammer or wedging device or drop to the floor from any height.
- Always remove your finger from the trigger when pausing from cycling.
- Never tamper with the safety device or use the tool if the safety device is not functioning properly.
- Use only **1" STINGER NailPac** cap nails with the **STINGER™ CN100** Cap Nailer. Never use any fasteners that are not specified for use in this tool. The CN100 holds 1 roll of plastic caps (200 caps) and 1 coil of nails (200 nails each).

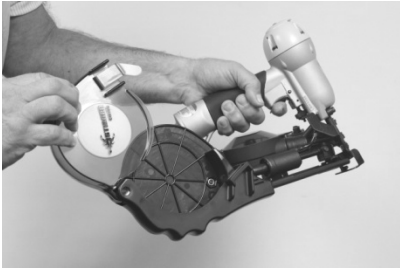
# TOOL SPECIFICATIONS

Operating pressure	95-105 psi
Weight	4.9 lb.
Nail capacity	200 nails (1-200 count coil)
Cap capacity	200 plastic collated caps (1-200 count roll)
Air inlet	1/4"
Fasteners	<b>STINGER NailPac</b> (National Nail product number 136260) includes 10 coils of 1" EG ring shank nails (200 nails per coil) and 10 rolls of 1" diameter plastic collated caps (200 caps per roll).



# LOADING THE TOOL

*USE 1" STINGER NAILPAC CAP NAILS ONLY*



- Disconnect air.
- Open the cap magazine cover by pushing the green cover release tab and lifting.



- Place cap roll in basket. Make sure the front end of the cap roll is placed over the cap guide area of the basket. Insert lead cap into the feed chute.
- Slide caps along the feed chute with fingers until they engage the cap feeder. Pull the cap feeder back and release to advance caps until the first cap is under the nose of the tool.
- Close the magazine cover.



- Depress the latch on the nail gate and basket cover. Open nail gate. Open nail basket cover. Place one nail coil in basket so it fits securely around center post.



- Insert lead nail into nose. Lay following nails flat onto feeder pawls.
- Close nail basket cover. Close nail gate. Be sure latch is securely fastened.
- Plug into air source. Tool is ready to use.

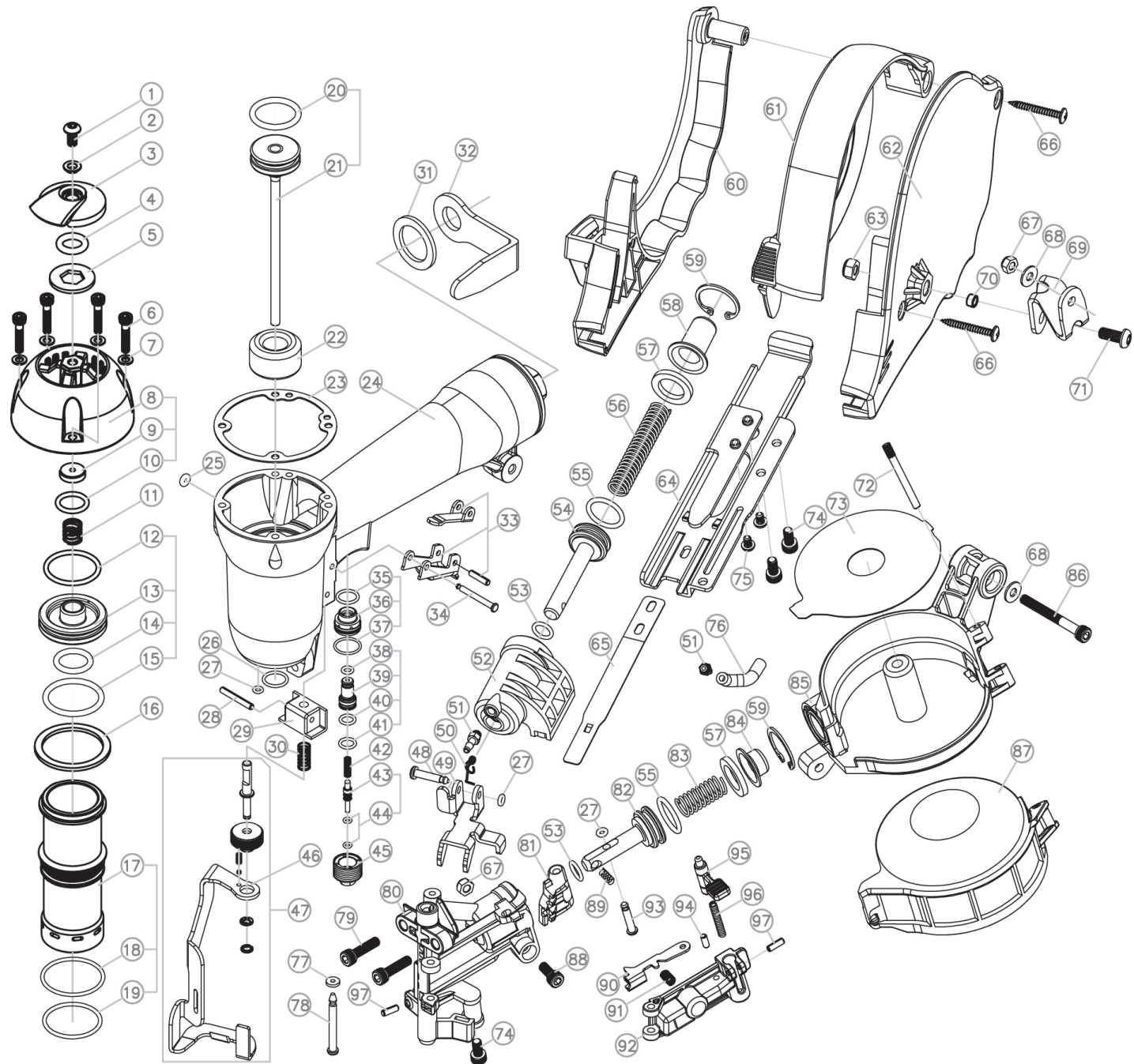
# OPERATING THE TOOL

1. Read the Owner's Manual prior to using the tool.
2. Read warning label(s) on the tool.
3. Visually inspect the tool for worn or damaged parts.
4. Wear appropriate eye protection.
5. Insert a male pneumatic fitting into the end cap of the tool, ensuring that the fitting allows the tool to exhaust any air in the tool when the air hose is disconnected.
6. Add 2 drops of non-detergent, 20-weight oil into the male fitting daily.
7. Connect the air hose using a quick connect fitting to the tool, and check the air pressure reading on the regulator to ensure it does not exceed 105 PSI. Check the tool for any air leaks.
8. Place the tool, empty of fasteners, in operating position on a scrap work piece. Fully depress the safety and pull the trigger to verify the tool cycles.
9. Disconnect the air hose from the tool when:
  - Loading nails and/or caps
  - Performing inspection, maintenance or repair
  - Clearing a nail or collated cap jam
  - The tool is not in use
  - Leaving the work area
  - Moving the tool to another work location
  - Handing the STINGER CN100 to another person
  - Storing the tool
10. Following recommended loading instructions, load the fasteners approved for use in the tool.

# OPERATING THE TOOL

11. Cycle the tool on a scrap work piece to evaluate the depth of penetration by the fastener into the work piece.
12. To adjust the depth of penetration, regulate the air pressure at the regulator and/or disconnect the air hose, adjust the depth control screw, connect the air hose and cycle the tool on a scrap work piece to evaluate the adjustment.
13. Repeat Step 12 as needed to set the correct depth, using the minimum amount of air pressure to drive the fastener.

# STINGER CN100 SCHEMATIC



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# STINGER CN100 PARTS LIST

Item No.	Ref No.	Description
0137949	01	Screw
0137991	02	Washer
0137990	03	Exhaust Deflector
0137973	04	O-Ring
0137959	05	Washer
0137953	06	Cap Screw
0137960	07	Flat Washer
0137965	08	Cap
◆ 0137928	09	Exhaust Seal
◆ 0137975	10	O-Ring
0137931	11	Poppet Spring
◆ 0137968	12	Poppet O-Ring
0137967	13	Poppet
◆ 0137976	14	Piston Stop O-Ring
◆ 0137979	15	Cylinder Seal O-Ring
0137905	16	Guide Spacer
◆ 0137908	17	Cylinder
0137969	18	Cylinder O-Ring
◆ 0137977	19	Cylinder O-Ring
◆ 0137978	20	Piston O-Ring
0137900	21	Piston & Driver Assembly
◆ 0137927	22	Bumper
◆ 0137966	23	Gasket
0137904	24	Body
0137971	25	O-Ring
◆ 0137972	26	O-Ring
0137986	27	O-Ring(3)
0137909	28	Pin
0137963	29	Safety Guide
0137930	30	Spring
0137962	31	Washer
0137995	32	Belt Clip
0137901	33	Trigger Assembly
0137910	34	Pin

# STINGER CN100 PARTS LIST

Item No.	Ref No.	Description
♦ 0137980	35	O-Ring
♦ 0137940	36	Trigger Valve (A)
0137981	37	O-Ring
♦ 0137982	38	O-Ring
♦ 0137941	39	Trigger Valve (B)
0137983	40	O-Ring
♦ 0137984	41	O-Ring
0137932	42	Spring
0137942	43	Plunger
0137985	44	O-Ring (2)
0137943	45	Trigger Valve Housing
♦ 0137964	46	Safety
0137902	47	Safety Assembly
♦ 0137911	48	Pin
0137994	49	Cap Feeder
0137933	50	Spring
0136955	51	Barb Fitting (2)
0137907	52	Feed Cylinder
0137970	53	O-Ring (2)
0137988	54	Feed Piston
0137974	55	O-Ring (2)
0137934	56	Spring
0137929	57	Piston Step(2)
0137918	58	Feed Piston Cover
0137961	59	Retaining Ring(2)
0137919	60	Magazine Right
0137920	61	Magazine Cover
0137921	62	Magazine Left
♦ 0137957	63	Lock Nut
0137925	64	Feed Chute
0137935	65	Hold Down Spring
♦ 0137950	66	Screw(2)
0137955	67	Lock Nut(2)
♦ 0137958	68	Washer(2)

# STINGER CN100 PARTS LIST

Item No.	Ref No.	Description
0137926	69	Bracket
0137956	70	Nut
0137951	71	Screw
0137912	72	Pin
0137992	73	Nail Support
0137948	74	Screw(3)
0137952	75	Screw(2)
0137996	76	Tubing
0137987	77	Rubber Washer
0137913	78	Pin
0137946	79	Screw
0137917	80	Nose
0137906	81	Feed Pawl
0137989	82	Feed Piston
0137936	83	Spring
0137922	84	Feed Piston Cover
0137924	85	Magazine
0137954	86	Screw(M5*45)
0137923	87	Magazine Cover
0137947	88	Screw(2)
0137937	89	Spring
0137944	90	Check Pawl
0137938	91	Spring
0137993	92	Door
0137914	93	Pin
0137915	94	Pin
0137945	95	Door Latch
0137939	96	Spring
0137916	97	Pin

◆ Parts included in AS-97377 O-Ring and Seal Kit

# MAINTENANCE & STORAGE

## MAINTENANCE

1. Disconnect the air hose from the tool when performing inspections, maintenance or repairs.
2. Use air line lubricators. If lubricators are not available, or if hose lengths exceed 10 feet, add 2 drops of non-detergent 20-weight oil daily into the air inlet of the tool.
3. Whenever repairs or replacement of parts inside the body occur, check the piston “O” ring for adequate grease lubrication.
4. Never use any parts other than genuine STINGER replacement parts.
5. Periodically clean the nose of the tool with a mild solvent.

## STORAGE

1. Disconnect the air hose when storing the tool.
2. Never store the tool in cold weather environments for any duration of time as any frost or ice formation in the tool will cause tool failures.
3. For prolonged storage, add 2 drops of oil to the air inlet of the tool prior to discontinuing use. Also clean the exterior of the tool with a mild solvent.



# WARRANTY

## WARRANTY ITEMS

1. Warranty for cap assemblies, castings and housing castings is one year.
2. Warranty for bumpers, “O” rings, driver blades and piston rings is not applicable as they are normal wearing parts whose life is dependant on application.
3. Warranty for all other parts is 90 days.

## WARRANTY CONDITIONS

1. The beginning date on which the warranty is in force is the date of purchase.
2. The warranty is not transferable.
3. The warranty is voided by any of the following:
  - a. Abuse, misuse, or damage to the tool
  - b. Use of parts other than genuine STINGER parts
  - c. Use of fasteners not designated for use in the tool
  - d. Modifications to the tool that alter the original function or intent of use of the tool by anyone other than National Nail Corp.
4. National Nail Corp. retains the right to replace or repair any warranty items it deems necessary.

# TROUBLESHOOTING

*Disconnect the air hose from the tool when performing inspections, maintenance or repairs.*

## PROBLEM:

## CORRECTION:

- |  |  |
|--|--|
| 1. Tool operates, but no fasteners are driven.         | <ul style="list-style-type: none"><li>• Check magazine for proper fasteners. Fasteners should slide freely in and out of the magazine.</li></ul>   |
| 2. Cap leaks air.                                      | <ul style="list-style-type: none"><li>• Tighten cap screws.</li></ul>  |
| 3. Fasteners jam in nose of tool.                      | <ul style="list-style-type: none"><li>• Un-plug tool from air supply.</li><li>• Open nail gate.</li><li>• Remove fasteners from magazine.</li><li>• Remove jammed fastener and close nail gate.</li><li>• Load tool.</li></ul> |
| 4. Skipping fasteners                                  | <ul style="list-style-type: none"><li>• Replace bumper if worn.</li><li>• Use only recommended fastener size.</li><li>• Check air supply as it may be too low or on too high.</li></ul>  |
| 5. Fasteners will not drive completely into work piece | <ul style="list-style-type: none"><li>• Increase air pressure (do not exceed 105 PSI).</li><li>• Check depth of drive setting.</li></ul>   |

*Please contact Inside Sales for technical support if you have any other problems: 800-746-5659*



www.stingerworld.com

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Contact Inside Sales at  
800-746-5659  
to place an order for  
replacement parts.

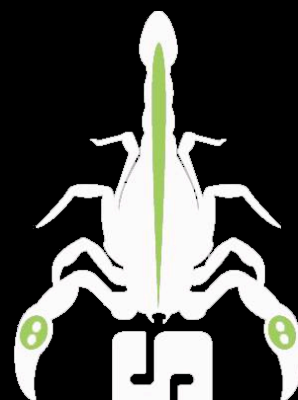
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